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Harry M. Barton Senior Counsel Legal Department -- Regulatory

October 15, 2019

By Hand Delivery

Ms. Lora W. Johnson, CMC, LMMC Clerk of Council Council of the City of New Orleans Room 1E09, City Hall 1300 Perdido Street New Orleans, LA 70112

> Re: In Re: 2018 Triennial Integrated Resource Plan of Entergy New Orleans, LLC <u>Docket No. UD-17-03</u>

Dear Ms. Johnson:

Entergy New Orleans, LLC respectfully submits its October 29, 2019 Public Technical Meeting Materials in the above referenced Docket. Please file an original and two copies into the record in the above referenced matter, and return a date-stamped copy to our courier.

Should you have any questions regarding the above, I may be reached at (504) 576-2984. Thank you for your assistance with this matter.

Sincerel

Harry M. Burton

HMB/bkd Enclosures

cc: Official Service List (via email)

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# ENERGY SMART PY10-12 IMPLEMENTATION PLAN DEMAND RESPONSE

**OCTOBER 29, 2019** 

**ENO 2018 IRP-Docket UD-17-03 Technical Meeting #6** 



## **AGENDA**

- Introductions
- Technical Meeting #5 Recap
- RFP & Implementation Plan Timeline
- Proposed PY10-12 DR Offerings
- Third Party Administration, Implementation and Evaluation Team
- Proposed PY 10-12 Demand Response Program Offerings
  - Residential
  - Commercial & Industrial
- Potential Studies Review
- Questions & Discussion







## **TECHNICAL MEETING #5 RECAP**

- Technical Meeting #5 was held September 11, 2019
  - Proposed new energy efficiency offerings under two scenarios
  - Briefly discussed demand response offerings to come
  - Mentioned the RFP for Commercial Demand Response
    - Issued 7/24/2019
    - 5 Respondents
- Energy Efficiency topics not discussed
  - Green Light New Orleans
  - Evaluation, Measurement and Verification





# COMMERCIAL DEMAND RESPONSE RFP TIMELINE

Commercial Demand Response RFP Timeline	
RFP Issued	July 24, 2019
Bids Submitted	August 21, 2019
Technical Meeting with Advisors and Stakeholders	September 11, 2019
Oral Presentations	September 17-19, 2019
Winners Notified	October 1, 2019



# **ENERGY SMART IMPLEMENTATION TIMELINE**

Implementation Plan Timeline	
Technical Meeting #6	October 29, 2019
File Implementation Plan	November 22, 2019
Program Year 10 Begins	January 1, 2020



# ENERGY SMART DEMAND RESPONSE PROGRAM TEAM

Third-Party Administrator	Third-Party Implementers	Third-Party Evaluator
APTIM	APTIM	ADM Associates
Honeywell*	Franklin Energy	
	EnergyHub*	
	Honeywell*	
	Enbala*	
	ILSI Engineering	
*Inc	dicates a new program ven	dor



# PROPOSED PY10-12 DR OFFERINGS



## PY10-12 PROPOSED OFFERINGS

- Residential Offerings Aptim/Energy Hub
  - Direct Load Control Switches (DLC)
  - Bring-Your-Own-Thermostat (BYOT)
- Commercial & Industrial Offerings
  - Small Commercial & Industrial Aptim/Energy Hub
  - Large Commercial & Industrial Honeywell/Enbala



# RESIDENTIAL DEMAND RESPONSE APTIM/ ENERGYHUB



## **OVERVIEW & OBJECTIVES**

- Continue to leverage the DLC switch population while tapping into the growing base of connected thermostats installed in the ENO territory
- Leverage technical integrations with DLC switches and thermostat manufacturers to enroll, monitor, and control the residential aggregation for peak demand reduction
- Dispatch DR events via duty cycling (DLC) or temperature offset (BYOT) using the Franklin Energy and EnergyHub platforms
- Participants receive an up-front enrollment incentive and an ongoing annual incentive for continued participation in the DLC and BYOT offerings
- Lay the foundation for future DR and DER load management programs (water heaters, EVs, solar inverters, batteries) and MISO market participation (LMR assets)



## RESIDENTIAL OFFERINGS OVERVIEW

**Customer Type:** Residential customers

**Event Strategy:** Annual, Monday-Friday (non-holidays), 12-8pm,

up to four hours per event. No more than three consecutive event days and no more than fifteen

events per program year

**Control Strategy:** Temperature setback (up to 4 degrees) with up to

90-minute pre-cool, use of Firm Load Dispatch

(FLD) as applicable

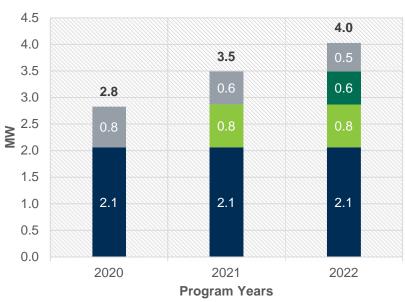
**Eligibility:** Entergy customers in Orleans parish with active

electric service, working central AC, and one or more connected devices from an EnergyHub

device partner

Incentive: \$25 enrollment incentive / \$40 annual incentive

#### **Load Reduction Goals**



- ■BYOT 2020 Load Shed ■BYOT 2021 Load Shed
- ■BYOT 2022 Load Shed DLC Load Shed





# RESIDENTIAL BUDGET & SAVINGS

Residential	EM&V	Program Costs	Total Budget	kW Target	Participants
Program Year 10	\$42,351	\$609,185	\$651,536	2,830	3,416
Program Year 11	\$40,761	\$586,323	\$627,084	3,494	3,971
Program Year 12	\$42,367	\$609,416	\$651,782	4,032	4,444
Totals	\$125,478	\$1,804,923	\$1,930,402		



# RESIDENTIAL BUDGET & SAVINGS – BYOT & DLC SWITCHES

Residential - BYOT	EM&V	Program Costs	Total Budget	kW Target	<b>Participants</b>
Program Year 10	\$18,254	\$262,569	\$280,822	2,066	2,066
Program Year 11	\$19,600	\$281,928	\$301,528	2,871	2,871
Program Year 12	\$22,602	\$325,116	\$347,719	3,494	3,494
Totals	\$60,456	\$869,613	\$930,069		

Residential - DLC Switches	EM&V	Program Costs	Total Budget	kW Target	<b>Participants</b>
Program Year 10	\$24,097	\$346,616	\$370,713	764	1,350
Program Year 11	\$21,162	\$304,394	\$325,556	623	1,100
Program Year 12	\$19,764	\$284,299	\$304,063	538	950
Totals	\$65,023	\$935,310	\$1,000,333		

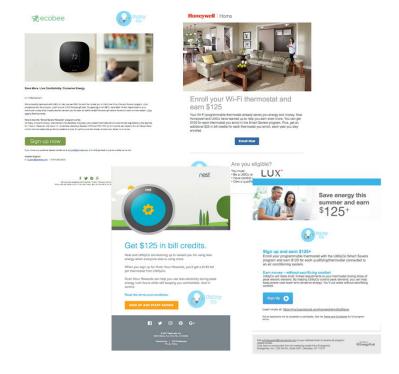




#### **Marketing & Outreach**

- EnergyHub coordinates device partner-driven digital campaigns (email, web and mobile) featuring partner and ENO branding ("Partnercentric" marketing)
- Aptim coordinates a marketing campaign focused on raising awareness of the BYOT program ("Program-centric marketing")



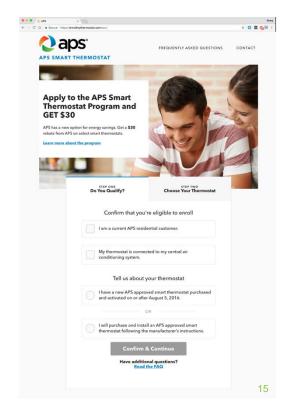


#### **Enrollment**

- Partner-centric marketing directs customers to an enrollment website to apply to the program
- Program-centric marketing directs customers to an EnergyHub-powered "microsite"
- APTIM processes enrollments in the DERMS and customers are automatically available for DR dispatch







#### **Participation Guidelines**

- Residential customers with active electric service, working central AC, and a qualifying connected thermostat can participate
- Customers must provide basic information and accept T&Cs to apply
- ENO can notify customers of upcoming events (e.g., event date/time, duration, opt-out instructions)
- DR event parameters will be agreed upon as part of the program launch process
- Customers can opt out of DR events and contact support to unenroll from the BYOT program



#### **Trade Ally Recruitment & Training**

- The BYOT model leverages the existing base of connected thermostats
  - Device manufacturers act as the "Tier 1" contact for device-related customer support
  - Traditional trade ally hardware installation/maintenance not required
- APTIM trains device partners on the BYOT program, and establishes routing protocols for inquiries that manufacturers cannot answer

#### **Installation Process & Device Management**

- Participation driven from the existing base of approximately 14,000 connected thermostats online in ENO's service territory
- Connected thermostats installed through APTIM's EE programs can be directly enrolled in BYOT
- The Mercury DERMS provides near real-time access to device data through device partner integrations



#### **Data Management & Tracking**

- The DERMS dashboard provides a portfolio-level view of the DR aggregation
- DR event reporting available during and after the completion of an event for M&V and analysis
- Customer enrollment data (e.g., Accepted, Rejected, Unenrolled) and device reports are available for download on demand
- Data can be exported to APTracks

#### **Evaluation, Measurement & Verification (EM&V)**

- DR event M&V reports (e.g., participation statistics, load and load shed interval data) are available for download following the completion of an event
- APTIM can export M&V reports for offline analysis or to provide to ADM



## DIRECT LOAD CONTROL (DLC) SWITCH

#### Marketing & Outreach

- Marketing will be passive as DLC switches will be a secondary option for customers that do not want smart thermostats or are not eligible to receive a smart thermostat
  - DLC switches will be offered in the fine print of the smart thermostat marketing
- Targeted marketing will be executed to existing EasyCool customers providing them the option to trade their DLC switch for a smart thermostat

#### **Enrollment & Participation**

- Customers can enroll online through the program website or via phone to the call center
- Targeted campaigns for existing switch participants will be conducted through digital email, direct mail, and/or outbound calling campaign
- Customers are automatically enrolled in the EasyCool incentive program upon installation of the switch





## DIRECT LOAD CONTROL (DLC) SWITCH

### **Installation Process & Device Management**

- DLC switches are installed and serviced by field technicians
- Installation appointments are scheduled as necessary for landlord-tenant and no access projects. All other installations occur without customer attendance required (all installations are outdoors)
- Program staff manage all service and removal requests as needed
- Customers that request removal or trade the switch for the thermostat will have their devices removed, which can then be put back into inventory for future customers



## DIRECT LOAD CONTROL (DLC) SWITCH

#### **Data Management & Tracking**

- Implementation staff will use Efficiency Manager 2.0 to track all customer information, installation details, and incentives using a field tool known as Efficiency Clipboard
- Data is transferred to APTracks

#### **Evaluation, Measurement & Verification (EM&V)**

- ENO's Third-Party Evaluator, ADM, conducts in-field datalogging on participating customers' units and during events
- Results are presented to Energy Smart administration and implementation staff annually



# COMMERCIAL & INDUSTRIAL DEMAND RESPONSE



## **OVERVIEW & OBJECTIVES**

#### **Key Objectives**

- Introduce new Demand Response offerings targeting Commercial & Industrial customers of all sizes
- Support C&I customers in managing demand-based charges on their utility bill
- Expand the breadth and depth of peak demand management capabilities available to ENO
- Implement centralized online software solutions for enrollment, DR event deployment, data management, and reporting
- Offer hands-free participation for Small C&I customers (<100 kW) with supporting incentives, to encourage participation
- Present dedicated demand response expertise to offer Large C&I customers (>100 kW) tailored demand management options





# SMALL COMMERCIAL & INDUSTRIAL APTIM/ ENERGYHUB



## SMALL COMMERCIAL & INDUSTRIAL OVERVIEW

**Customer Type:** Small business customers (100 kW maximum

demand)

**Event Strategy:** Annual, Monday-Friday (non-holidays), 12-8pm,

up to four hours per event. No more than three consecutive event days and no more than fifteen

events per program year

**Control Strategy:** Temperature setback (up to 4 degrees) with up to

90-minute pre-cool, use of Firm Load Dispatch

(FLD) as applicable

**Eligibility:** Entergy customers in Orleans parish in with

active electric service, working central AC, and

one or more connected devices from an

EnergyHub device partner

Incentive: \$25 enrollment incentive / \$40 annual incentive

#### **Load Reduction Goals**







# SMALL COMMERCIAL & INDUSTRIAL BUDGET & SAVINGS

Small Commercial & Industrial	EM&V	Program Costs	Total Budget	kW Target	Participants
Program Year 10	\$5,901	\$84,880	\$90,781	130	87
Program Year 11	\$6,054	\$87,077	\$93,131	400	267
Program Year 12	\$8,257	\$118,765	\$127,022	910	607
Totals	\$20,211	\$290,723	\$310,934		



### **Marketing & Outreach**

Broad marketing objectives: Raise awareness, Customer education, Enrollment call-to-action

Primary marketing tactics: Direct mail, Bill inserts, Collateral, Digital marketing

Targeted segments: Convenience stores, Eating/drinking establishments, Automotive/auto

repair, Retail, Houses of worship, Grocery, Commercial offices

- Digital marketing directly from smart thermostat manufacturers to installed user base
- Trade allies, call center staff (ENO and APTIM) will receive training and be informed of marketing efforts





#### **Enrollment & Participation**

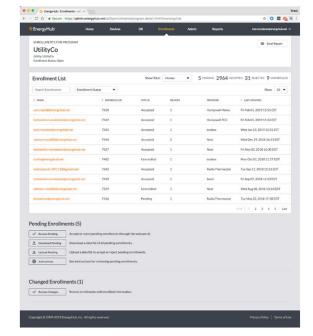
- Customer enrollment will be managed directly through the Mercury platform
- Trade allies will be encouraged to enroll customers at the time of installation
- During DR events, Mercury will automatically signal thermostats of participating customers
- Customers may opt out of DR events through manual thermostat adjustment or web/mobile apps



## **Enrollment & Participation**

- Customers enter basic information and accept the program T&Cs
- Enrollments flow into the Mercury DERMS for review and approval









### **Trade Ally Recruitment & Training**

- Energy Smart's existing trade ally network will support the offering, and DR offerings will motivate new trade ally recruitment
- Pre-launch trade ally training and updated materials will support fluency of trade allies in program delivery and customer enrollment
- APTIM will enforce trade ally program standards, support trades with program assistance, and facilitate conflict resolution



#### **Installation Process & Device Management**

- Small businesses may self-install qualifying thermostats, or receive professional installation through a trade ally
- Customers will be eligible for energy efficiency incentives on qualifying thermostats, and DR incentives for initial enrollment and ongoing participation
- Inventory management not necessary, with multiple manufacturers and trade allies supporting the market

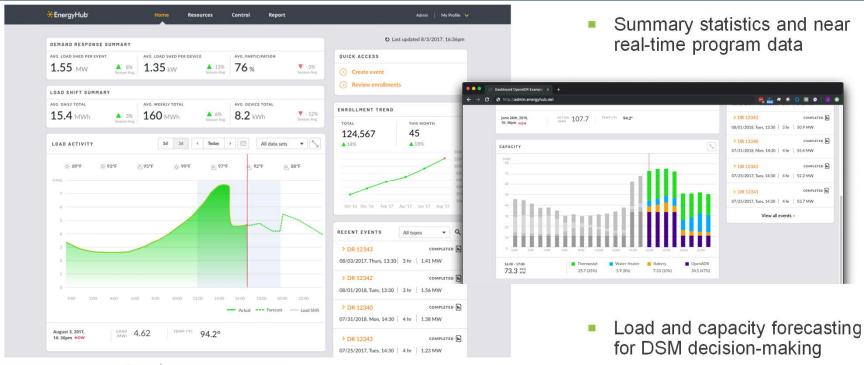


### **Data Management & Tracking**

- Mercury will act as the System of Record for all data collected through the Small C&I offering
- Mercury has built-in reporting, forecasting, and demand response event planning capabilities
- Data security protocols and systems access permissions will prevent malicious activity and ensure participants' sensitive data is protected



## PORTFOLIO-LEVEL REPORTING







### **Evaluation, Measurement & Verification (EM&V)**

- ENO's Third-Party-Evaluator, ADM, will have direct access to participant data (e.g., customer enrollment info, DR event reporting) in Mercury
- QA/QC will be performed on a sampling of devices installed at participating small businesses
- Program evaluation outcomes will inform forward-looking program planning



## **EVENT REPORTING & EM&V**





Site ID GLP-9000	YEAR-MONTH	Account Number	Customer	Aggregator	# of DR events	Average Hourly kW Load Shed	kW of Contracted Load Relief	Site Performance Factor	Reserva Payme	0.000	Perform Payme	
	2018-07	90001231	AUTO RECYCLING	EE AGS		105	100	1.00	\$	1,050	\$	53
GLP-2343	2018-07	80012393	FORESTER COLLEGE	EE AGS		300	300	1.00	\$	3,000	\$	150
GLP-1231	2018-07	90043423	ROGERS GLASS	EE AGS		2 15	20	0.75	\$	113	\$	6
GLP-2349	2018-07	80092342	REND RECYCLING	CCC ENERGY		129	100	1.00	\$	1,290	\$	65
GLP-7873	2018-07	80009887	APLHA DISTRIBUTORS	CCC ENERGY		2 50	60	0.83	\$	417	\$	21
GLP-6533	2018-07	80003453	TRAINERS INC			2 25	25	1.00	\$	250	\$	13





# LARGE COMMERCIAL & INDUSTRIAL – HONEYWELL/ ENBALA



### **Edge to Cloud Solutions**

#### HONEYWELL SMART ENERGY I UTILITY PARTNER



### **Global Footprint**

Operates in over 130 countries

1,000+ Utility Customers



5,500+ Employees

Honeywell Smart Energy's solutions provide actionable insights to utilities, by connecting assets, process, people and things to harness the value of data across the ecosystem. By leveraging our relationships across our entire Honeywell portfolio of products we bring immediate value to utility clients providing quick scalability.





### **OUR COMMITMENT**



Trusted Partner
Accelerate Innovation
Security
Industry Standard Technologies
Proven Interoperability
Advanced Demand Response

### LARGE COMMERCIAL & INDUSTRIAL OVERVIEW

Customer Type: Commercial and industrial customers (greater than 100 kW

demand or under automated controls.)

**Duration:** Program availability: Monday-Friday (non-holidays), 12-8pm,

up to four hours per event. No more than three consecutive

event days and no more than fifteen events annually

Control Strategy Dependent upon load shed strategy. Signaling gateway

incorporated into the site control system. HVAC, motors, industrial process, manufacturing processes, refrigeration,

etc. are among the most common shed strategies

Eligibility: Entergy New Orleans customers with active electric service

and functioning control architecture capable of executing load

shed strategies

**Incentive:** \$500-\$4000/ annually paid in two seasonal payouts

(winter/summer) Tiered incentive scale based on load shed

enrolled into the program.

#### TARGET SEGMENT

Manufacturers (Aero Components, Petro, Animal Feed, Baked Goods, Powder-Coating, Pump, Soft Drinks), Processing (Dairy, Construction, Food, Injection Molding), Beverage/Bottling, Printing

Hospitals, Large Area Services, Multi Family Residences, Convention Center, Cold Storage, Airport, Food & Beverage Distribution

Offices, Warehouses, Museums, High Rise Offices, Office Supply Stores, Fueling Stations, Home Improvement, Hospitality, Country Club, Recycling Facilities, Condominiums, Research/Testing Facilities

University Campuses, Schools

Outdoor Services, Transportation, Offices, County Jail, Government Facilities, Waste Water Treatment, Water Districts, Industrial Gas

Hospitals, Clinics





# LARGE COMMERCIAL & INDUSTRIAL BUDGET & SAVINGS

Large Commercial & Industrial	EM&V	Program Costs	Total Budget	kW Target	Participants
Program Year 10	\$73,988	\$1,064,270	\$1,138,258	2,239	12
Program Year 11	\$55,181	\$793,745	\$848,926	5,597	18
Program Year 12	\$61,318	\$882,020	\$943,338	9,328	20
Totals	\$190,487	\$2,740,035	\$2,930,522		



## LARGE COMMERCIAL & INDUSTRIAL

#### **Marketing and Outreach**

- Direct C&I outreach
- Collaboration with ENO account managers
- Business case development
- Trade ally collaboration

# LIGHT MANUFACTURING



- Decision maker(s) may not be the owner
- May have extended hours & high energy intensity due to processing equipment
- Understanding the business needs is crucial to relationship
- Outreach via outbound calling, local trade associations

# NATIONAL ACCOUNTS



- Multiple facilities with similar profiles
- Typically one decision maker for all locations; may not be local
- Prefer simple programs for HVAC & lighting
- Outreach via outbound calling and trade associations
- Need direct hands-on support for program participation

# INDUSTRIAL ACCOUNTS



- Large facility C&I, process vs. facility
- Typically decision by committee
- Comparing benefits of demand response to capital or other projects, considerate of primary purpose
- Custom programs more prevalent, due to specialty
- Outreach via collaboration with Entergy account managers
- F2F, specialty allies drive program participation





## LARGE COMMERCIAL & INDUSTRIAL

#### **Customer Journey**

- Approach customer with program opportunity
- Engineering meeting with customer / facility
- Audit facility / processes / controls
- Feasibility, curtailment planning and load shed strategy created.
- Project approved
- Coordination of installations (agnostic, trade ally, in house)
- Commissioning
- Event participation



### **Reduction Targets**

- HVAC
- Motor loads
- Refrigeration
- Process loads
- Manufacturing loads

# ENBALA ADVANCED CONTROL SOFTWARE PROVIDES UNIQUE BENEFITS



Fast dispatch of DR resources where customer constraints are never exceeded



Flexibility for how customers participate from 100% customer control to fully automated



Customer opt-out ability is always preserved



Unlimited ways to group how customers are dispatched – only the assets needed, where they're needed







Real-time measurement & verification of customer performance



Software constantly reoptimizing based on real-time results of over/under performing customers



Entergy will be provided a user interface to view real time status of assets



Technology agnostic & futureproof to incorporate new and changing technologies

# **ASSET DIVERSITY**

Segment		Water Heaters	Pumps	Chillers	HVAC	Comp. Air	Cooling Towers	PV & Wind	CHP / CoGen	Battery Storage	EV
Municipal Water & Wastewater	800		✓					✓	✓	✓	
Industrial Gas				✓	✓		(5) (5) (5) (5) (5) (6) (6) (7) (5) (6) (10) (5) (10) (6) (10) (10) (10) (10) (10) (10) (10) (10	✓		✓	
Automotive				✓	✓	✓				✓	
Refrigerated Storage			✓	✓			✓	✓		✓	
Hospitals	H			✓	✓		✓		✓	✓	✓
Campuses		✓		✓	✓			✓	✓	✓	✓
Commercial Buildings		✓	✓	✓	✓		✓	✓	✓	✓	✓





# **EVENT REPORTING**

- Rich reporting database available to create custom reports for Entergy
- Flexibility to provide data at Virtual Power Plant level, specific geographies, sites, assets, etc.
- Real-time performance in UI









## LARGE COMMERCIAL & INDUSTRIAL

### **Evaluation, Measurement & Verification (EM&V)**

- ENO's Third-Party-Evaluator, ADM, will have direct access to participant data
- QA/QC will be performed on a sampling of devises installed at participating facilities
- Program evaluation, participation levels, interviews and performance will inform forward-looking program planning



# 2018 INTEGRATED RESOURCE PLAN

POTENTIAL STUDIES REVIEW

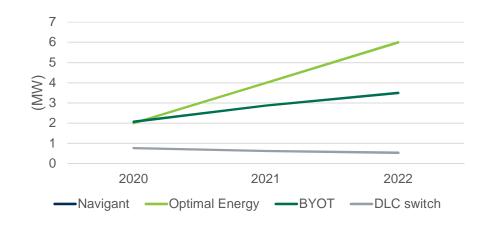


## POTENTIAL STUDIES REVIEW - RESIDENTIAL

# Residential Demand Response Peak Load Reductions Summary

#### **Assumptions:**

- Optimal Energy study only\*
- Scenario One (p.52)
- DLC/ADR programs only
- 2018-2020 forecast
- Load shed: 1 kW/thermostat and 0.5 kW/switch



Entity	2020	2021	2022
Navigant		NA	
Optimal Energy	2	4	6
APTIM – BYOT	2.066	2.871	3.494
APTIM - DLC switch	.764	.623	.538



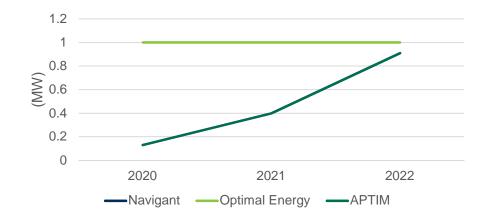
<sup>\*</sup>Navigant study showed potential residential demand response reduction after the first three years

## POTENTIAL STUDIES REVIEW - SMALL C&I

# Small C&I Demand Response Peak Load Reductions Summary

#### **Assumptions:**

- Numbers based on 2018-2020 forecasts
- Optimal Energy numbers based on scenario two (only ADR), p.52
- Navigant numbers based on 48% of small C&I DR potential, pp.81-82



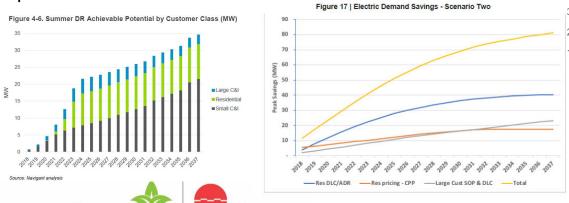
Entity	2020	2021	2022
Navigant	0.13	0.40	0.91
Optimal Energy	1	1	1
APTIM	0.13	0.40	0.91



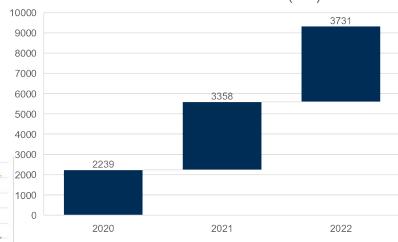
## POTENTIAL STUDIES REVIEW - LARGE C&I

#### Assumptions:

- Review of Optimal and Navigant Studies.
- Took into consideration 2018-2020 and 2021-2024 forecasts.
- Optimal Energy numbers based on scenario two p.52
- Navigant numbers based on large C&I DR potential, p.81-82



#### Annual and cumulative shed (kW)



# **BUDGET & SAVINGS**





## PY10-12 SUMMARY BY PROGRAM YEAR

Program Year	EM&V	Program Costs	Total Budget	kW Target	Participants
Program Year 10	\$122,239	\$1,758,335	\$1,880,575	5,199	3,515
Program Year 11	\$101,996	\$1,467,145	\$1,569,141	9,491	4,256
Program Year 12	\$111,941	\$1,610,201	\$1,722,142	14,270	5,071
Totals	\$336,177	\$4,835,681	\$5,171,858		



# PROGRAM YEAR 10

Offering	EM&V	Program Costs	Total Budget	kW Target	Participants
Residential - BYOT	\$18,254	\$262,569	\$280,822	2,066	2,066
Residential - DLC	\$24,097	\$346,616	\$370,713	764	1,350
Small Commercial & Industrial	\$5,901	\$84,880	\$90,781	130	87
Large Commercial & Industrial	\$73,988	\$1,064,270	\$1,138,258	2,239	12
Total	\$122,239	\$1,758,335	\$1,880,575		



# PROGRAM YEAR 11

Offering	EM&V	Program Costs	Total Budget	kW Target	Participants
Residential - BYOT	\$19,600	\$281,928	\$301,528	2,871	2,871
Residential - DLC	\$21,162	\$304,394	\$325,556	623	1,100
Small Commercial & Industrial	\$6,054	\$87,077	\$93,131	400	267
Large Commercial & Industrial	\$55,181	\$793,745	\$848,926	5,597	18
Total	\$101,996	\$1,467,145	\$1,569,141		



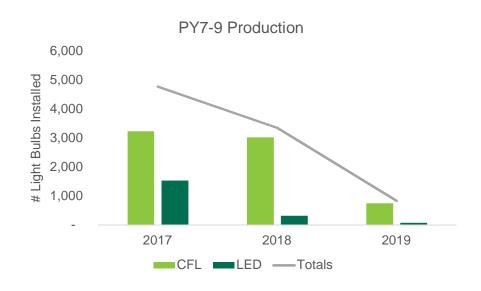
# PROGRAM YEAR 12

Offering	EM&V	Program Costs	Total Budget	kW Target	Participants
Residential - BYOT	\$22,602	\$325,116	\$347,719	3,494	3,494
Residential - DLC	\$19,764	\$284,299	\$304,063	538	950
Small Commercial & Industrial	\$8,257	\$118,765	\$127,022	910	607
Large Commercial & Industrial	\$61,318	\$882,020	\$943,338	9,328	20
Total	\$111,941	\$1,610,201	\$1,722,142		



# GREEN LIGHT NEW ORLEANS

Green Light New Orleans							
	Light Bulbs Installed						
Program Year 1	90,254						
Program Year 2	61,984						
Program Year 3	68,428						
Program Year 4	46,277						
Program Year 5	35,877						
Program Year 6	8,178						
Program Year 7	4,770						
Program Year 8	3,341						
Program Year 9	830						
Total	319,939						



\$76,781 budget remaining





# **QUESTIONS & DISCUSSION**



# CERTIFICATE OF SERVICE <u>Docket No. UD-17-03</u>

I hereby certify that I have served the required number of copies of the foregoing report upon all other known parties of this proceeding, by the following: electronic mail, facsimile, overnight mail, hand delivery, and/or United States Postal Service, postage prepaid.

Lora W. Johnson, CMC, LMMC

Clerk of Council

Council of the City of New Orleans

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Harry M. Barton